

LENS STRUCTURE OF OPTIC MOUSE

ABSTRACT OF THE DISCLOSURE

An optic mouse includes a casing and a circuit board fixed inside the casing. The casing has a bottom in which a first opening is defined for receiving and fixing a lens module. The lens module includes a support fixed to the first opening and forming a carrier that carries first and second lenses and a reflection portion located adjacent to the second lens and having a top connected to a bottom of the first lens. The circuit board includes a single circuit chip having integrated therewith a light emitter and an optic sensor positioned in correspondence to the first and second lenses, respectively. With the light emitter and the optic sensor integrated in the single circuit chip, the lens module is constructed and arranged to shorten an optic path for a light beam transmitting from the light emitter to the optic sensor whereby the light beam can travel in a more concentrated manner with reduced diffraction and deterioration thereof. Thus, performance of the optic mouse is enhanced.